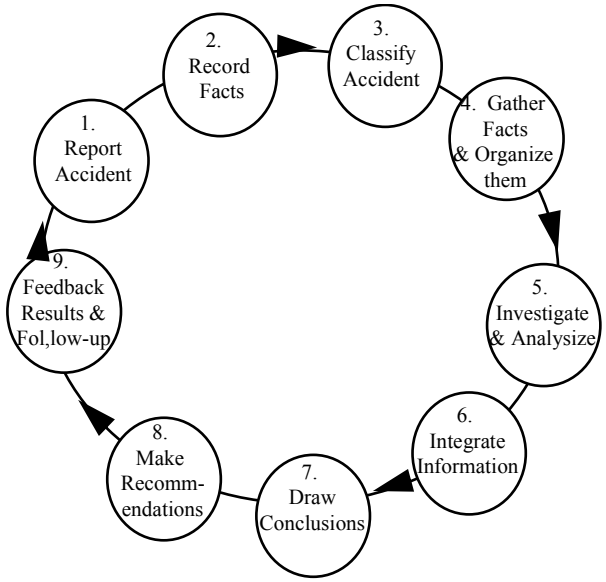
NSTC NASA SAFETY TRAINING CENTER

Safety Course



#006 MORT-Based Mishap Investigation

The purpose of this workshop is to provide the knowledge and the analytical tools and techniques to conduct effective and efficient investigations and to report the results of those investigations clearly and concisely.

The basics of mishap investigation are outlined and reviewed, however, the focus of the course is on the application of analytical techniques based on the management oversight and risk tree (MORT) approach to accident investigation. Lecture and theory are reinforced by practical examples and exercises.

The information presented is sufficient for investigation of accidents by members of boards of investigation, but is easily adapted for use by individuals investigating lesser mishaps. This workshop is highly recommended for safety professionals and executive or supervisory personnel selected for the standing body of board members. It is also valuable to anyone interested in, or subject to conduct mishap investigations.

Topics of discussion include:

- Introduction to Mishap Investigation
- Mishap Response Planning
- Mishap Response
- Witness Interviewing
- Photography
- Legal Aspects
- Management Oversight & Risk Tree MORT
- Energy Trace & Barrier Analysis
- Events & Causal Factors Analysis
- Fault Tree Analysis
- Change Analysis
- Root Cause Analysis
- Report Writing

About the instructor:

Mr. Larry Gregg, CSP, employed with Muniz Engineering, Inc., holds a B.S. in Chemical Engineering from Oklahoma State University and an MBA from Golden Gate University. He served 20 years with the US Air Force, obtaining extensive experience in instruction including over 7 years as a missile launch instructor in the Strategic Air Command. In the 3 ½

Years prior to his retirement, he held the position of System Safety Branch Chief for the defense, surveillance, and experimental programs at the Air Force Space Systems Division in Los Angeles, CA., where he developed and taught a week-long course in acquisition system safety.

Dates:
July 31 – August 4, 2006
8:00 – 4:30

Location: MSFC
Building 4200, Room G13D

This course provides 3.0 Continuing Education Units